

Title (en)
SAMPLE INJECTION SYSTEM

Title (de)
PROBENINJEKTIONSSYSTEM

Title (fr)
SYSTÈME D'INJECTION D'ÉCHANTILLONS

Publication
EP 2217903 B1 20190403 (EN)

Application
EP 08845748 A 20081103

Priority
• US 2008082241 W 20081103
• US 159507 P 20071102
• US 159707 P 20071102

Abstract (en)
[origin: WO2009059286A1] One embodiment of the invention provides a method of preparing an eluted sample containing salts or buffers from a liquid chromatography device for analysis by a mass spectrometry device. The method includes: continuously providing a non-polar solvent to the mass spectrometry device; receiving the eluted sample from the liquid chromatography device; flowing the eluted sample over a solid phase extraction column; flowing the non-polar solvent over the solid phase extraction column; and presenting non-polar solvent and the eluted sample to the mass spectrometry device.

IPC 8 full level
G01N 1/02 (2006.01); **G01N 30/24** (2006.01)

CPC (source: EP US)
G01N 30/24 (2013.01 - EP US); **G01N 30/7266** (2013.01 - EP US); **H01J 49/0431** (2013.01 - EP US); **B01D 15/305** (2013.01 - EP US); **B01D 15/34** (2013.01 - EP US); **B01D 15/361** (2013.01 - EP US); **G01N 1/405** (2013.01 - EP US); **G01N 30/02** (2013.01 - EP US); **G01N 2030/207** (2013.01 - EP US); **G01N 2030/8411** (2013.01 - EP US)

C-Set (source: EP US)
G01N 30/02 + **B01D 15/36**

Citation (examination)
WO 2005024385 A2 20050317 - BIOGENEX LAB [US], et al

Cited by
CN110234992A; US11906492B2

Designated contracting state (EPC)
AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MT NL NO PL PT RO SE SI SK TR

DOCDB simple family (publication)
WO 2009059286 A1 20090507; **WO 2009059286 A9 20091119**; CA 2703991 A1 20090507; CA 2703993 A1 20090507; EP 2217356 A1 20100818; EP 2217356 A4 20120229; EP 2217356 B1 20181017; EP 2217903 A1 20100818; EP 2217903 A4 20120229; EP 2217903 B1 20190403; JP 2011503548 A 20110127; JP 2011503549 A 20110127; JP 5433580 B2 20140305; US 2010237235 A1 20100923; US 2010256010 A1 20101007; US 8410426 B2 20130402; US 8677808 B2 20140325; WO 2009059292 A1 20090507

DOCDB simple family (application)
US 2008082229 W 20081103; CA 2703991 A 20081103; CA 2703993 A 20081103; EP 08843483 A 20081103; EP 08845748 A 20081103; JP 2010532316 A 20081103; JP 2010532318 A 20081103; US 2008082241 W 20081103; US 74024408 A 20081103; US 74049308 A 20081103